

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF DELAWARE**

TQ DELTA, LLC, <div style="text-align: center;">v.</div> ZYXEL COMMUNICATIONS, INC. and ZYXEL COMMUNICATIONS CORPORATION,	Plaintiff, Defendants.	Civil Action No. 13-cv-2013-RGA
TQ DELTA, LLC, <div style="text-align: center;">v.</div> ADTRAN, INC.	Plaintiff, Defendant.	Civil Action No. 14-cv-954-RGA
ADTRAN, INC, <div style="text-align: center;">v.</div> TQ DELTA, LLC.	Plaintiff, Defendant.	Civil Action No. 15-cv-121-RGA

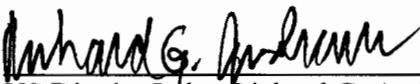
~~PROPOSED~~ **CLAIM CONSTRUCTION ORDER FOR
FAMILY 9 PATENTS**

The Court has determined that the terms below shall be given the following meaning for Family 9 Patents (U.S. Patent Nos. 8,335,956 (“the ’956 patent”), 8,407,546 (“the ’546 patent”), 8,468,411 (“the ’411 patent”), 8,595,577 (“the ’577 patent”), and 8,645,784 (“the ’784 patent”)):

1. **“the [shared] memory”** – “common memory used by at least two functions, where a portion of the memory can be used by either one of the functions”
2. **“amount of [the] [shared] memory”** – plain meaning
3. **“how much of the [shared] memory”** – plain meaning
4. **“portion of the [shared] memory”** – plain meaning

5. **“allocating a [first / second] portion of the shared memory to the [deinterleaving / packet retransmission] function”** – plain meaning
6. **“allocating a memory between a retransmission function and an interleaving and/or deinterleaving function”** – plain meaning
7. **“a message indicating how the shared memory [] is to be allocated to the packet retransmission function and to the one or more of interleaving [or/and] deinterleaving functions”** – plain meaning
8. **“wherein a message transmitted during initialization indicates how the memory has been allocated between the retransmission function and the interleaving and/or deinterleaving function”** – plain meaning
9. **“wherein at least a portion of the memory may be allocated to the retransmission function or to the interleaving and/or deinterleaving function at anyone particular time”** – plain meaning
10. **“wherein at least a portion of the memory may be allocated between the retransmission function and the interleaving and/or deinterleaving function at any one particular time depending on the message”** – plain meaning
11. **“transceiver”** – “communications device capable of transmitting and receiving data wherein the transmitter portion and receiver portion share at least some common circuitry”
12. **“packet”** – “a grouping of bytes”
13. **“multicarrier”** – “having multiple carrier signals that are combined to produce a transmission signal”

IT IS SO ORDERED this 15 day of May, 2018.


US District Judge Richard G. Andrews